

Vision Solutions

Integrated Machine Vision Systems



Technology to Improve Productivity

Better... Faster... Smarter !

Vision Solutions

Integrated Machine Vision Systems

Chicago Electric provides fully integrated, turnkey machine vision solutions to many industries. Specializing in Cognex, Keyence and Omron vision, we offer an extensive solution set with world leading technology including 3D vision, linescan, barcode reading, and more. Chicago Electric has the technology to meet your application needs.



In-Sight

- Controller based, self contained vision system
- Multiple speed & resolution options
- Extensive tool sets for large range of applications



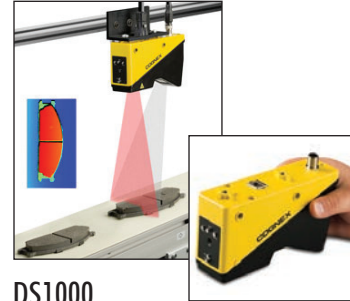
VisionPro

- PC-based vision software suite
- Flexible high end vision software package



DataMan

- Cognex ID readers
- Handheld & fixed mount
- 1-D and 2-D readers



DS1000

- 3-D vision inspection system
- VisionPro tool package



XG-8000 Series

- KEYENCE's most powerful vision system
- 3-D, Linescan & area cameras
- Up to 8 area cameras
- Up to 4 Line scan cameras
- 3-D inspections



LJ-V Series

- 2-D profile or 3-D laser inspection
- Up to 64,000 profiles/sec
- Repeatability 0.2 microns



CV-X100 Series

- Easy-to-use Autoteach Programming
- Powerful troubleshooting tools
- Up to 4 area cameras
- Touchscreen & mouse interface



FJ Series

- PC or controller-based, highly customizable vision system
- Up to 16 cameras operate from one PC



FH/FZ5 Series

- Controller-based, self-contained vision system
- Up to 8 cameras per controller
- Extensive tool set for a variety of applications

Chicago Electric offers complete vision solutions for automation.

Our scope of services includes: design, engineering, panel assembly, programming, testing, mechanical fabrication, installation, startup, and field service.

Applications...

1. Machine Vision Label Inspection

- 2-camera machine vision system with conveyor/servo actuator
- 100% product quality inspection of molded container
 - Label placement and defect detection
 - Label verification via bar code

1.



2. ProVision Corrugated Print Inspection System

- See all the box...see every box
New vision technology provides 100% real time inspection of content, color and cut
- Speed, resolution and accuracy of inspection surpassing the human eye

2.



3. Machine Vision Cap Inspection

- Vision system to verify proper seating of cap assembly; also checks for defects on the assembly base and rejects bad parts
- High-speed process: 500 caps per minute

3.



4. Customized Carton Inspection System

- Multi-line, PC-based carton inspection system
- Inspects cartons for forming and surface flaws as well as correct part spacing to prevent line jams

4.



5. Machine Vision Robotic Inspection

- 2-camera machine vision system with robot actuator
- 100% product quality inspection of molded container
 - Label placement
 - Product mold defects
 - Flash and short shot
 - Label and product content verification via 2-D bar code

5.



CHICAGO ELECTRIC



Innovation & Service since 1910

Chicago Electric is a world-class system integrator offering leading technology, comprehensive capability, and extensive experience. Founded in 1910, we are family owned and proud of our long heritage of quality workmanship and outstanding customer service.

We are in the business of making our customers' manufacturing...

better...faster...smarter!

ChicagoElectric.com

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RockwellRobot.com

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